

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/726, 236A
Source: IFW/6
Date Processed by STIC: 09/27/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/27/2006

PATENT APPLICATION: US/10/726,236A

TIME: 15:09:13

Input Set : N:\SSLM\10726236.raw

Output Set: N:\CRF4\09272006\J726236A.raw

1 <110> APPLICANT: Sirna Therapeutics, Inc.
2 Lockridge, Jennifer
3 Pavco, Pamela
4 <120> TITLE OF INVENTION: Nucleic Acid-Based Modulation Of Gene Expression In
5 The Vascular
6 Endothelial Growth Factor Pathway
7 <130> FILE REFERENCE: 01-1735-B (400/140)
8 <140> CURRENT APPLICATION NUMBER: US/10/726,236A
9 <141> CURRENT FILING DATE: 2003-12-02
10 <150> PRIOR APPLICATION NUMBER: US 10/306,747
11 <151> PRIOR FILING DATE: 2002-11-27
12 <150> PRIOR APPLICATION NUMBER: US 60/334,461
13 <151> PRIOR FILING DATE: 2001-11-30
14 <150> PRIOR APPLICATION NUMBER: PCT/US02/17674
15 <151> PRIOR FILING DATE: 2002-05-29
16 <150> PRIOR APPLICATION NUMBER: 10/138,674
17 <151> PRIOR FILING DATE: 2002-05-03
18 <150> PRIOR APPLICATION NUMBER: US 09/870,161
19 <151> PRIOR FILING DATE: 2001-05-29
20 <150> PRIOR APPLICATION NUMBER: US 09/708,690
21 <151> PRIOR FILING DATE: 2000-11-07
22 <150> PRIOR APPLICATION NUMBER: US 09/371,772
23 <151> PRIOR FILING DATE: 1999-08-10
24 <150> PRIOR APPLICATION NUMBER: PCT/US96/17480
25 <151> PRIOR FILING DATE: 1996-10-25
26 <150> PRIOR APPLICATION NUMBER: US 08/584,040
27 <151> PRIOR FILING DATE: 1996-01-11
28 <150> PRIOR APPLICATION NUMBER: US 60/005,974
29 <151> PRIOR FILING DATE: 1995-10-26
30 <150> PRIOR APPLICATION NUMBER: US 60/358,580
31 <151> PRIOR FILING DATE: 2002-02-20
32 <150> PRIOR APPLICATION NUMBER: US 60/363,124
33 <151> PRIOR FILING DATE: 2002-03-11
34 <150> PRIOR APPLICATION NUMBER: US 60/393,796
35 <151> PRIOR FILING DATE: 2002-07-03
36 <160> NUMBER OF SEQ ID NOS: 14
37 <170> SOFTWARE: PatentIn version 3.0
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 15
41 <212> TYPE: RNA
42 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid

CP8-67

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45      Substrate
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <222> LOCATION: (1)..(6)
49 <223> OTHER INFORMATION: n stands for a, c, g, or u
50 <220> FEATURE:
51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: (9)..(15)
53 <223> OTHER INFORMATION: n stands for a, c, g, or u
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58 <211> LENGTH: 36
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60 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic
63      Acid
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65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)..(7)
67 <223> OTHER INFORMATION: n stands for a, c, g, or u
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70 <222> LOCATION: (16)..(18)
71 <223> OTHER INFORMATION: n stands for a, c, g, or u
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74 <222> LOCATION: (23)..(25)
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76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <222> LOCATION: (31)..(36)
79 <223> OTHER INFORMATION: n stands for a, c, g, or u
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (1)..(8)
83 <223> OTHER INFORMATION: 2'-O-Methyl
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85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (12)..(12)
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92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (28)..(29)

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95 <223> OTHER INFORMATION: 2'-O-Methyl
96 <220> FEATURE:
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98 <222> LOCATION: (31)..(36)
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100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <222> LOCATION: (9)..(9)
103 <223> OTHER INFORMATION: 2'-deoxy-2'-C-Allyl
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110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
113      Substrate
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (1)..(5)
117 <223> OTHER INFORMATION: n stands for a, c, g, or u
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (8)..(14)
121 <223> OTHER INFORMATION: n stands for a, c, g, or u
122 <400> SEQUENCE: 3
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126 <211> LENGTH: 35
127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic
131      Acid
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1)..(7)
135 <223> OTHER INFORMATION: n stands for a, c, g, or u
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: (16)..(18)
139 <223> OTHER INFORMATION: n stands for a, c, g, or u
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (23)..(25)
143 <223> OTHER INFORMATION: n stands for a, c, g, or u
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature

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146 <222> LOCATION: (31)..(35)
147 <223> OTHER INFORMATION: n stands for a, c, g, or u
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (1)..(8)
151 <223> OTHER INFORMATION: 2'-O-Methyl
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: (12)..(12)
155 <223> OTHER INFORMATION: 2'-O-Methyl
156 <220> FEATURE:
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158 <222> LOCATION: (14)..(26)
159 <223> OTHER INFORMATION: 2'-O-Methyl
160 <220> FEATURE:
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162 <222> LOCATION: (28)..(29)
163 <223> OTHER INFORMATION: 2'-O-Methyl
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165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (31)..(35)
167 <223> OTHER INFORMATION: 2'-O-Methyl
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169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (30)..(30)
171 <223> OTHER INFORMATION: n stands for Inosine
172 <220> FEATURE:
173 <221> NAME/KEY: misc_feature
174 <222> LOCATION: (9)..(9)
175 <223> OTHER INFORMATION: 2'-deoxy-2'-C-Allyl
176 <400> SEQUENCE: 4
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179 <210> SEQ ID NO: 5
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182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
185      Substrate
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (1)..(6)
189 <223> OTHER INFORMATION: n stands for a, c, g, or u
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (9)..(15)
193 <223> OTHER INFORMATION: n stands for a, c, g, or u
194 <400> SEQUENCE: 5
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DATE: 09/27/2006

PATENT APPLICATION: US/10/726,236A

TIME: 15:09:13

Input Set : N:\SSLM\10726236.raw

Output Set: N:\CRF4\09272006\J726236A.raw

197 <210> SEQ ID NO: 6
 198 <211> LENGTH: 35
 199 <212> TYPE: RNA
 200 <213> ORGANISM: Artificial Sequence
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic
 203 Acid
 204 <220> FEATURE:
 205 <221> NAME/KEY: misc_feature
 206 <222> LOCATION: (1)..(7)
 207 <223> OTHER INFORMATION: n stands for a, c, g, or u
 208 <220> FEATURE:
 209 <221> NAME/KEY: misc_feature
 210 <222> LOCATION: (29)..(35)
 211 <223> OTHER INFORMATION: n stands for a, c, g, or u
 212 <220> FEATURE:
 213 <221> NAME/KEY: misc_feature
 214 <222> LOCATION: (1)..(8)
 215 <223> OTHER INFORMATION: 2'-O-Methyl
 216 <220> FEATURE:
 217 <221> NAME/KEY: misc_feature
 218 <222> LOCATION: (13)..(16)
 219 <223> OTHER INFORMATION: 2'-O-Methyl
 220 <220> FEATURE:
 221 <221> NAME/KEY: misc_feature
 222 <222> LOCATION: (18)..(35)
 223 <223> OTHER INFORMATION: 2'-O-Methyl
 224 <220> FEATURE:
 225 <221> NAME/KEY: misc_feature
 226 <222> LOCATION: (11)..(11)
 227 <223> OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 228 <400> SEQUENCE: 6

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35

231 <210> SEQ ID NO: 7
 232 <211> LENGTH: 48
 233 <212> TYPE: RNA
 234 <213> ORGANISM: Artificial Sequence
 235 <220> FEATURE:
 236 <223> OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic
 237 Acid
 238 <220> FEATURE:
 239 <221> NAME/KEY: misc_feature
 240 <222> LOCATION: (1)..(8)
 241 <223> OTHER INFORMATION: 2'-O-Methyl
 242 <220> FEATURE:
 243 <221> NAME/KEY: misc_feature
 244 <222> LOCATION: (12)..(21)
 245 <223> OTHER INFORMATION: 2'-O-Methyl
 246 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/726,236A

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Input Set : N:\SSLM\10726236.raw
 Output Set: N:\CRF4\09272006\J726236A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15
 Seq#:2; N Pos. 1, 2, 3, 4, 5, 6, 7, 16, 17, 18, 23, 24, 25, 31, 32, 33, 34, 35, 36
 Seq#:3; N Pos. 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14
 Seq#:4; N Pos. 1, 2, 3, 4, 5, 6, 7, 16, 17, 18, 23, 24, 25, 30, 31, 32, 33, 34, 35
 Seq#:5; N Pos. 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15
 Seq#:6; N Pos. 1, 2, 3, 4, 5, 6, 7, 28, 30, 31, 32, 33, 34, 35
 Seq#:9; N Pos. 36
 Seq#:13; N Pos. 35

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 62
 Seq#:4; Line(s) 130
 Seq#:6; Line(s) 202
 Seq#:7; Line(s) 236
 Seq#:9; Line(s) 281
 Seq#:11; Line(s) 342
 Seq#:12; Line(s) 352
 Seq#:13; Line(s) 362

VERIFICATION SUMMARY

DATE: 09/27/2006

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TIME: 15:09:14

Input Set : N:\SSLM\10726236.raw

Output Set: N:\CRF4\09272006\J726236A.raw

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0